

- 1 1. A method comprising:
2 writing back data from two or more different
3 cache lines in the same write back request to a disk drive.
- 1 2. The method of claim 1 including identifying dirty
2 logical data.
- 1 3. The method of claim 2 including identifying dirty
2 logical block addresses.
- 1 4. The method of claim 1 including flushing
2 different cache lines in the same operation.
- 1 5. The method of claim 1 including writing back data
2 from a non-volatile cache.
- 1 6. The method of claim 1 including searching for
2 dirty data to write back.
- 1 7. The method of claim 6 including searching in a
2 first direction.
- 1 8. The method of claim 7 including searching in a
2 second direction opposite the first direction.

1 9. The method of claim 6 including searching by sets
2 and ways in a cache organized in sets and ways.

1 10. The method of claim 6 including determining
2 whether two logical blocks of data that are dirty are
3 sufficiently proximate to write them back to the disk drive
4 write back in the same operation.

1 11. An article comprising a medium storing
2 instructions that, if executed, enable a processor-based
3 system to:
4 write back data from two or more different cache
5 lines in the write back request to a disk drive.

1 12. The article of claim 11 further storing
2 instructions that, if executed, enable the processor-based
3 system to identify dirty logical data.

1 13. The article of claim 12 further storing
2 instructions that, if executed, enable the processor-based
3 system to identify dirty logical block addresses.

1 14. The article of claim 11 further storing
2 instructions that, if executed, enable the processor-based
3 system to flush different cache lines in the same
4 operation.

1 15. The article of claim 11 further storing
2 instructions that, if executed, enable the processor-based
3 system to write back data from a non-volatile cache.

1 16. The article of claim 11 further storing
2 instructions that, if executed, enable the processor-based
3 system to search for dirty data to write back.

1 17. The article of claim 16 further storing
2 instructions that, if executed, enable the processor-based
3 system to search in a first direction.

1 18. The article of claim 17 further storing
2 instructions that, if executed, enable the processor-based
3 system to search in a second direction opposite the first
4 direction.

1 19. The article of claim 16 further storing
2 instructions that, if executed, enable the processor-based
3 system to search by sets and ways in a cache organized in
4 sets and ways.

1 20. The article of claim 16 further storing
2 instructions that, if executed, enable the processor-based
3 system to determine whether two logical blocks of data that

4 are dirty are sufficiently proximate to write them back to
5 the disk drive in the same write back operation.

1 21. A system comprising:
2 a cache;
3 a disk drive coupled to said cache; and
4 a controller to write back data from two or more
5 different cache lines in the same write back request to
6 said disk drive.

1 22. The system of claim 21, said controller to
2 identify dirty logical data.

1 23. The system of claim 22, said controller to
2 identify dirty logical block addresses.

1 24. The system of claim 21, said controller to flush
2 different cache lines in the same operation.

1 25. The system of claim 21, said controller to write
2 back data from a non-volatile cache.

1 26. The system of claim 21, said controller to search
2 for dirty data to write back.

1 27. The system of claim 26, said controller to search
2 in a first direction.

1 28. The system of claim 27, said controller to search
2 in a second direction opposite the first direction.

1 29. The system of claim 26, said controller to search
2 by sets and ways in a cache organized in sets and ways.

1 30. The system of claim 26, said controller to
2 determine whether two logical blocks of data that are dirty
3 are sufficiently proximate to write them back to the disk
4 drive in the same write back operation.